

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 6      | "5387946"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:08 |
| L2    | 65634  | "64" and (grey or gray)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:10 |
| L3    | 221959 | 1and (grey or gray)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:10 |
| L4    | 1      | 1 and (grey or gray)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:45 |
| L5    | 2      | "20010055421"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:47 |
| L6    | 2      | "6832002"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:48 |
| L7    | 1      | 6 and (high or hpf)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:59 |
| L8    | 208    | luminance and pixel and homogeneous and (hpf or (high near (pass or frequency)))           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 16:59 |
| L9    | 136    | luminance and pixel and homogeneous and (hpf or (high near (pass or frequency))) and noise | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2005/12/15 18:25 |

|     |      |  |   |    |    |                  |
|-----|------|--|---|----|----|------------------|
| L10 | 77   | measur\$3 near high near<br>frequency near component | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 18:35 |
| L11 | 31   | 10 and noise   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 18:35 |
| L12 | 0    | yennke\$.xp.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 18:32 |
| L13 | 39   | yenke\$.xp.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 18:32 |
| L14 | 172  | measur\$3 near high near<br>frequency near signal    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 18:35 |
| L15 | 78   | 14 and noise   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 18:35 |
| L16 | 73   | 15 not 10  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 19:12 |
| L17 | 1517 | 348/180  | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:33 |
| L18 | 240  | 348/618  | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:43 |
| L19 | 231  | 18 not 17  | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:43 |
| L20 | 167  | 348/619  | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:45 |
| L21 | 68   | 20 not 18 not 17                                     | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:45 |
| L22 | 150  | 348/622  | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:46 |
| L23 | 67   | 22 not 20 not 18 not 17                              | US-PGPUB;<br>USPAT                                    | OR | ON | 2005/12/15 19:46 |

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|-----|------|--|--------------------|----|-----|------------------|
| L24 | 69   | 348/623  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 19:47 |
| L25 | 19   | 24 not 22 not 20 not 18 not 17   | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 19:47 |
| L26 | 1763 | 382/181  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 19:57 |
| L27 | 1759 | 26 not 24 not 22 not 20 not 18<br>not 17                                       | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 19:57 |
| L28 | 745  | 382/261  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:01 |
| L29 | 684  | 28 not 26 not 24 not 22 not 20<br>not 18 not 17                                | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:01 |
| L30 | 552  | 382/268  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:03 |
| L31 | 426  | 30 not 28 not 26 not 24 not 22<br>not 20 not 18 not 17                         | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:03 |
| L32 | 548  | 382/269  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:05 |
| L33 | 315  | 32 not 30 not 28 not 26 not 24<br>not 22 not 20 not 18 not 17                  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:05 |
| L34 | 363  | 382/174  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:06 |
| L35 | 286  | 34 not 32 not 30 not 28 not 26<br>not 24 not 22 not 20 not 18 not<br>17        | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:06 |
| L36 | 329  | 382/227  | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:06 |
| L37 | 250  | 36 not 34 not 32 not 30 not 28<br>not 26 not 24 not 22 not 20 not<br>18 not 17 | US-PGPUB;<br>USPAT | OR | ON  | 2005/12/15 20:06 |
| S1  | 33   | "5194965"  | USPAT              | OR | OFF | 2005/12/13 14:15 |
| S2  | 44   | 348/534  | USPAT              | OR | OFF | 2005/12/13 15:47 |
| S3  | 45   | 348/534  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:48 |
| S4  | 45   | 348/532  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:51 |
| S5  | 27   | S4 not S3  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:51 |
| S6  | 462  | 348/537  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:56 |
| S7  | 454  | S6 not S4 not S3   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:56 |
| S8  | 72   | 348/604  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:57 |
| S9  | 66   | S8 not S6 not S4 not S3  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:57 |

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|-----|------|---|--------------------|----|-----|------------------|
| S10 | 1409 | 348/607   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 16:04 |
| S11 | 1360 | S10 not S8 not S6 not S4 not S3                 | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 15:57 |
| S12 | 248  | 348/627   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:21 |
| S13 | 7    | yenke and pilot                                 | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 17:15 |
| S14 | 3    | yenke and wideband                              | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 17:35 |
| S15 | 0    | yenke and (training near<br>sequence)           | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 17:15 |
| S16 | 0    | ("20040012720").PN.                             | USPAT              | OR | OFF | 2005/12/13 17:35 |
| S17 | 1    | ("20040012720").PN.                             | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 17:35 |
| S18 | 0    | S17 and (sync\$8 or hsync or<br>h-sync)         | USPAT              | OR | OFF | 2005/12/13 17:35 |
| S19 | 0    | S17 and (synchronization or hsync<br>or h-sync) | USPAT              | OR | OFF | 2005/12/13 17:35 |
| S20 | 0    | S17 and (synchronous or hsync or<br>h-sync)     | USPAT              | OR | OFF | 2005/12/13 17:35 |
| S21 | 1    | S17 and (sync\$8 or hsync or<br>h-sync)         | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 17:48 |
| S22 | 1    | S21 and (luminance)                             | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/13 17:48 |
| S23 | 525  | 348/678   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:30 |
| S24 | 45   | 348/534   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:21 |
| S25 | 45   | 348/532   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:21 |
| S26 | 462  | 348/537   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:21 |
| S27 | 72   | 348/604   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:21 |
| S28 | 1409 | 348/607   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:21 |
| S29 | 1360 | S28 not S27 not S26 not S25 not<br>S24          | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:22 |
| S30 | 457  | S23 not S28 not S27 not S26 not<br>S25 not S24  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:28 |
| S31 | 28   | S30 and (level near shift\$3)                   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:30 |
| S32 | 65   | 348/682   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:31 |

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| S33 | 6    | S32 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:31 |
| S34 | 71   | 348/683   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:31 |
| S35 | 2    | S34 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:31 |
| S36 | 171  | 348/691   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:31 |
| S37 | 21   | S36 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:31 |
| S38 | 71   | 348/697   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:32 |
| S39 | 12   | S38 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:32 |
| S40 | 992  | 386/1   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:32 |
| S41 | 18   | S40 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:32 |
| S42 | 703  | 386/94  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:32 |
| S43 | 11   | S42 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:33 |
| S44 | 976  | 380/201   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:33 |
| S45 | 9    | S44 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:33 |
| S46 | 414  | 380/203   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:33 |
| S47 | 7    | S46 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:33 |
| S48 | 2069 | 360/60  | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:33 |
| S49 | 23   | S48 and (level near shift\$3)   | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:38 |
| S50 | 0    | (level near shift\$3) and<br>((determine or detect\$3 or<br>distinguish\$3) near distortion near<br>(sync or synchron\$5 or hsync or<br>vsync or h-sync or v-sync))                         | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:39 |
| S51 | 0    | (level near shift\$3) and<br>((determine or detect\$3 or<br>distinguish\$3) near (copy or<br>protect or distortion) near (sync or<br>synchron\$5 or hsync or vsync or<br>h-sync or v-sync)) | US-PGPUB;<br>USPAT | OR | OFF | 2005/12/15 11:40 |

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| S52 | 0   | (level near shift\$3) and ((determine or detect\$3 or distinguish\$3) near (copy or protect or distortion) near (sync or synchron\$5 or hsync or vsync or h-sync or v-sync)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/15 11:40 |
| S53 | 129 | (level near shift\$3) and ((determine or detect\$3 or distinguish\$3) same (copy or protect or distortion) same (sync or synchron\$5 or hsync or vsync or h-sync or v-sync)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/15 11:41 |
| S54 | 78  | (level near shift\$3) and ((determine or detect\$3 or distinguish\$3) same (distortion) same (sync or synchron\$5 or hsync or vsync or h-sync or v-sync))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/15 13:26 |
| S55 | 1   | ("5194965").PN.  | USPAT   | OR | OFF | 2005/12/15 13:26 |
| S56 | 1   | S55 and diode  | USPAT   | OR | OFF | 2005/12/15 13:31 |
| S57 | 1   | S55 and (pulse near generat\$3)  | USPAT   | OR | OFF | 2005/12/15 13:32 |
| S58 | 1   | S55 and (pulse)  | USPAT   | OR | ON  | 2005/12/15 13:46 |
| S59 | 0   | S55 and (reset)  | USPAT   | OR | ON  | 2005/12/15 13:55 |
| S60 | 0   | S55 and (sum\$4 and add)   | USPAT   | OR | ON  | 2005/12/15 13:55 |
| S61 | 1   | S55 and (sum\$4 or add)  | USPAT   | OR | ON  | 2005/12/15 14:34 |
| S62 | 0   | ep-0562407-\$.did.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/12/15 14:35 |
| S63 | 2   | ep-562407-\$.did.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/12/15 14:37 |
| S64 | 6   | "5387946"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/12/15 16:09 |
| S65 | 0   | S64 and (homogenous)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2005/12/15 14:37 |

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|-----|---|-----------------------|---|----|----|------------------|
| S66 | 0 | S64 and (homogeneous) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 14:37 |
| S67 | 0 | S64 and (homo)        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2005/12/15 14:37 |